

Title (en)
CARBONACEOUS MATERIAL HAVING MODIFIED PORE STRUCTURE

Title (de)
KOHLENSTOFFHALTIGES MATERIAL MIT MODIFIZIERTER PORENSTRUKTUR

Title (fr)
MATÉRIAU CARBONÉ AYANT UNE STRUCTURE POREUSE MODIFIÉE

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EP 2361221 B1 20180815 (EN)

Application
EP 09761090 A 20091117

Priority
• US 2009064752 W 20091117
• US 27478008 A 20081120

Abstract (en)
[origin: US2010125039A1] The invention provides a method of increasing the mesopore volume of a porous activated carbon, comprising coating a porous activated carbon with a metal oxide or metal oxide precursor to form a treated activated carbon; and calcining the treated activated carbon, in a dry atmosphere, for a time and at a temperature sufficient to increase the mesopore volume of the treated activated carbon. The invention also provides an activated carbon having a total mesopore volume of at least about 0.10 cc/g and less than about 0.25 cc/g, and a percentage of mesopore volume per total pore volume of at least about 15% and less than about 35%. Activated carbon modified according to the invention, cigarette filters incorporating such activated carbon, and smoking articles made with such filters are included in the invention.

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